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**Kam et al.**

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(54) **SCREW INSERTION INSTRUMENT AND METHODS OF USE**

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(58) **Field of Classification Search**

CPC ..... A61B 17/7074; A61B 17/7076; A61B 17/7082

See application file for complete search history.

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(57) **ABSTRACT**

A screw insertion instrument includes a handle, a driving assembly, and a stylet. The driving assembly extends distally from the handle and includes a knob, a tubular body extending distally from the knob, and a driver including an elongated body extending through the knob and the tubular body. The elongated body has a proximal region operably coupled to the handle and a distal region extending distally beyond the tubular body and engageable with a pedicle screw. The stylet includes an elongated body positionable through first and second longitudinal bores defined through the handle and the driver, respectively. A proximal portion of the stylet is positionable adjacent the handle and a distal portion of the stylet extends distally beyond the driver and is positionable through a third longitudinal bore defined through the pedicle screw such that the distal portion of the stylet extends distally beyond the pedicle screw.

**15 Claims, 12 Drawing Sheets**

